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Some Wound Responses of Citrus Leaves

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SOME WOUND RESPONSES OF CITRUS LEAVES

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(ABSTRACT)

The general wound response of the foliar organs of Citrus was studied using leaves of a large potted lemon tree. This plant stood at the southeast corner of a building, outdoors, during the experimental period and received full sunshine a large part of the day. Following wounding an interval of about ten days elapsed before there was a division of the living cells beneath the collapsed dead tissue. The cicatrice, which was not complete until the close of the third week following wounding, consisted of eight to ten layers of cells.

STATE UNIVERSITY OF IOWA.

SOME NOTEWORTHY IOWA FUNGI OF 1925

GUY WEST WILSON

(ABSTRACT)

Cercosdora on potato, *Peronospora Viciae* on garden peas, *Coleosporium Solidaginis* on cultivated aster, and the aecidial stages of *Puccinia Sorghi* on *Oxalis stricta* were noted during the season in the vicinity of Fayette, Iowa.

UPPER IOWA UNIVERSITY.

MICROSPOROGENESIS IN CUCURBITA MAXIMA

EDWARD F. CASTETTER

(ABSTRACT)

A pure line of Hubbard squash was used for the investigation. In the development of the anther the pollen mother cells are formed from a single longitudinal row of cells of the primary sporogenous layer in each anther lobe. During early diakinesis a perinuclear zone is formed. From the perinuclear zone as well as from the interior of the nucleus fibers are formed which con-